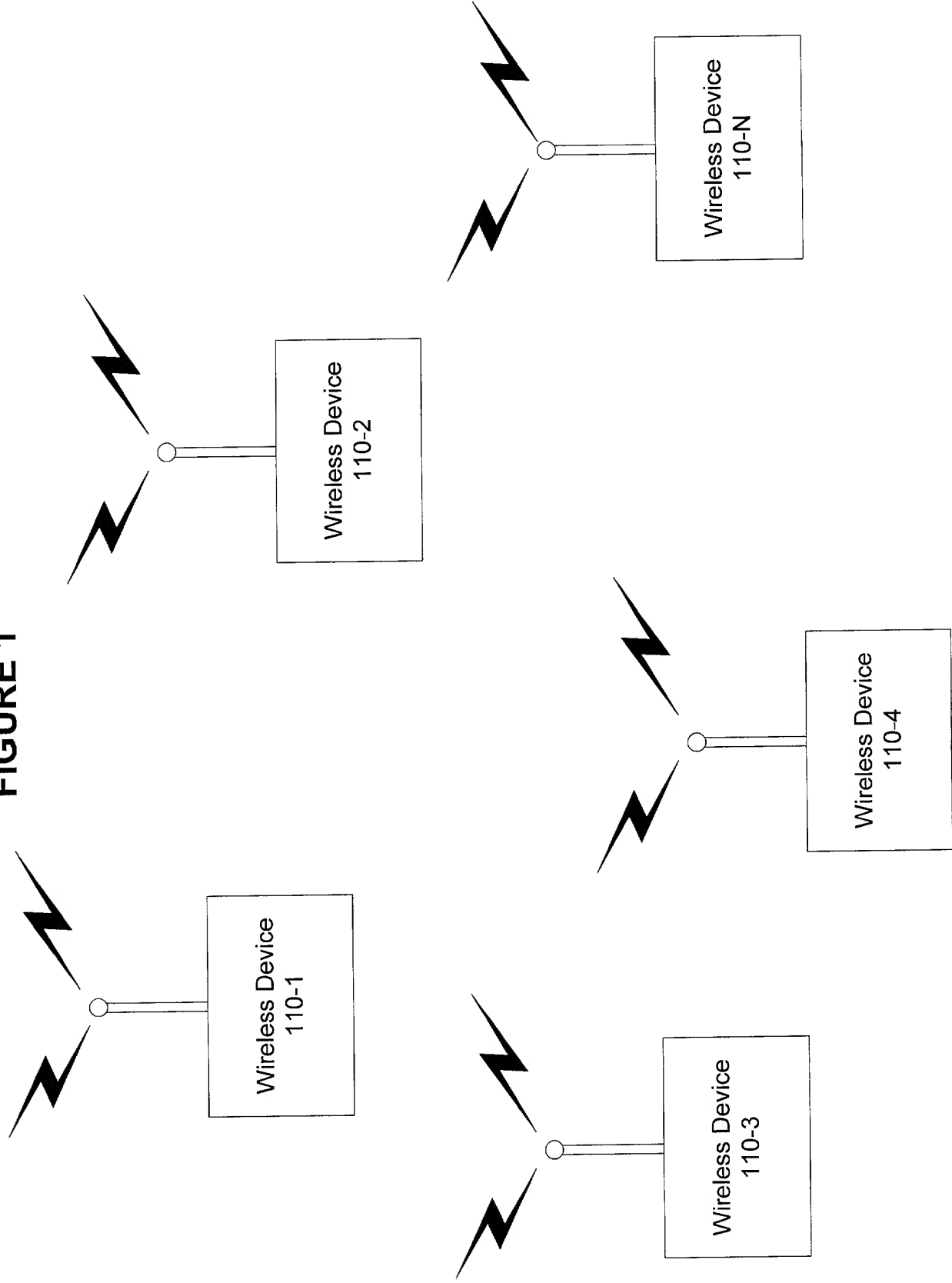


FIGURE 1



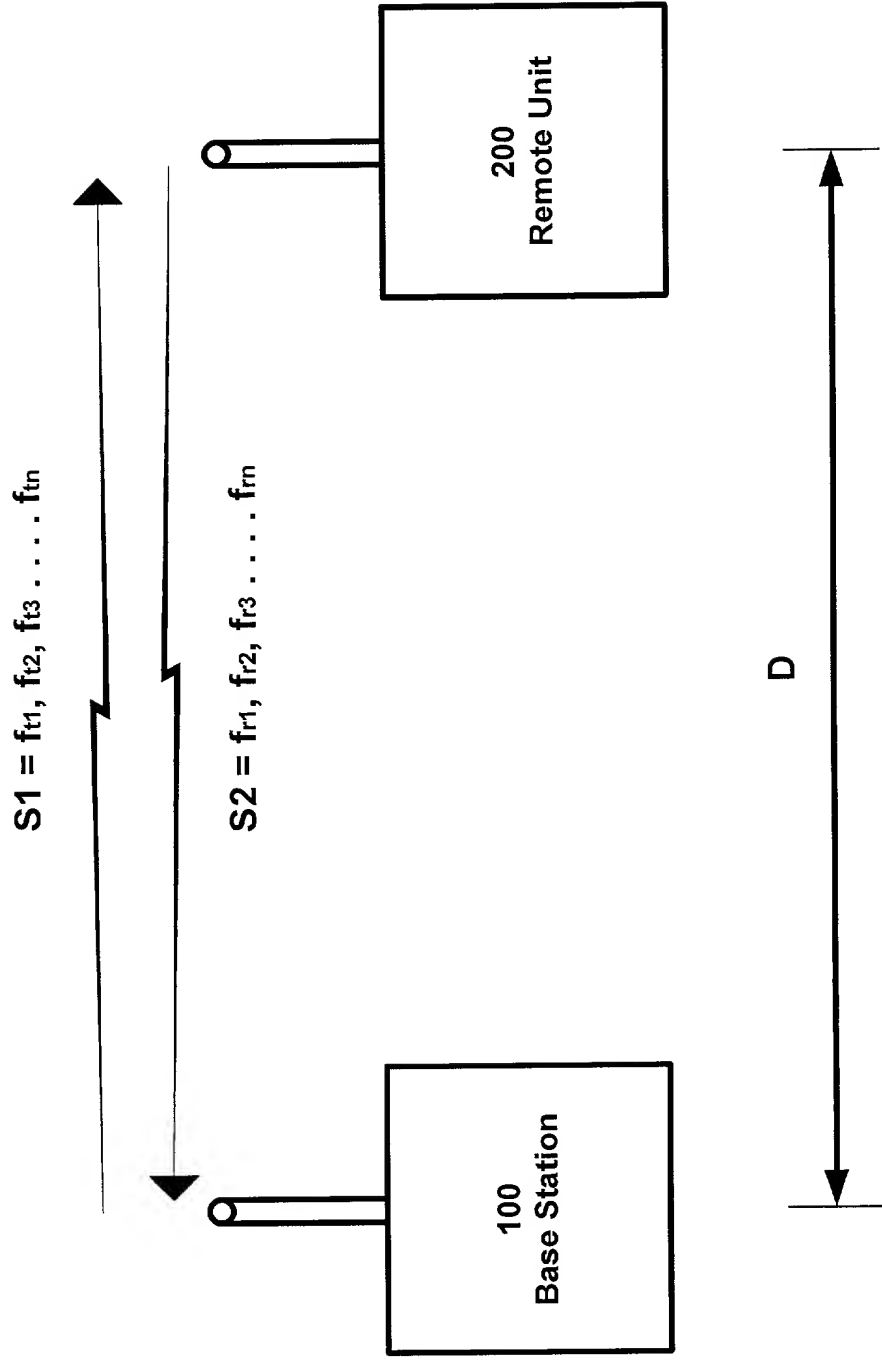


Fig. 2

100

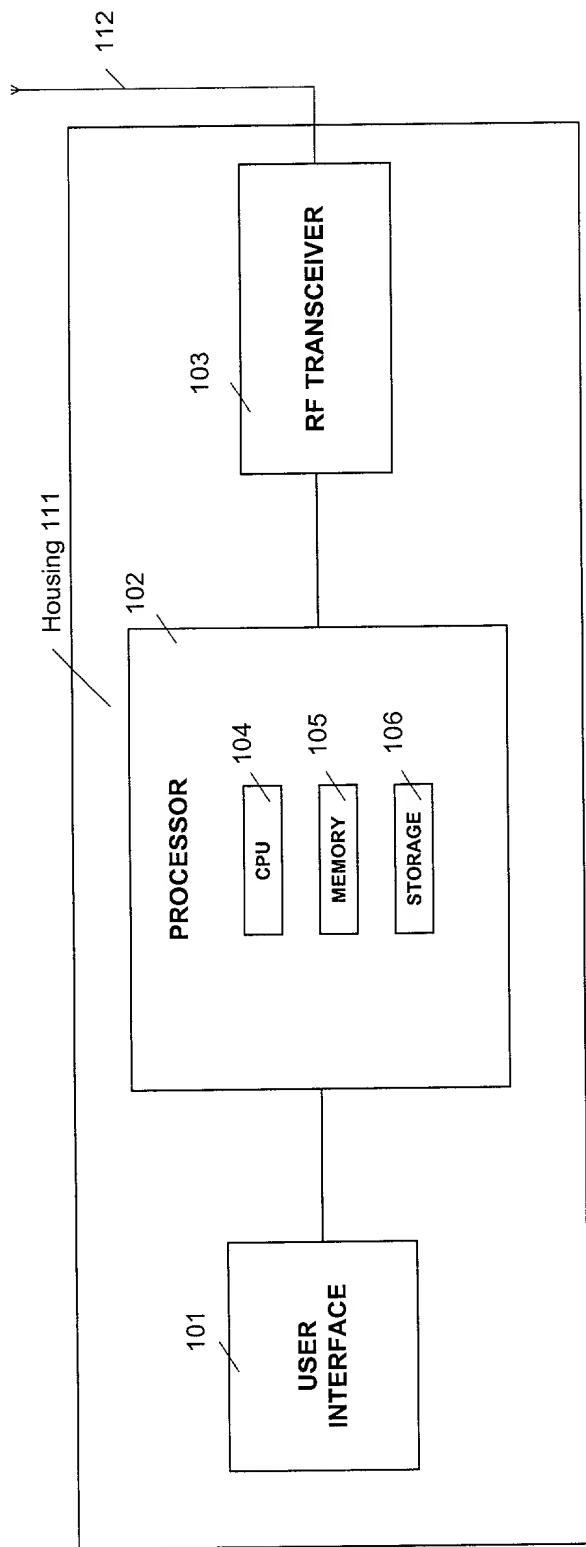


FIG. 3A

100

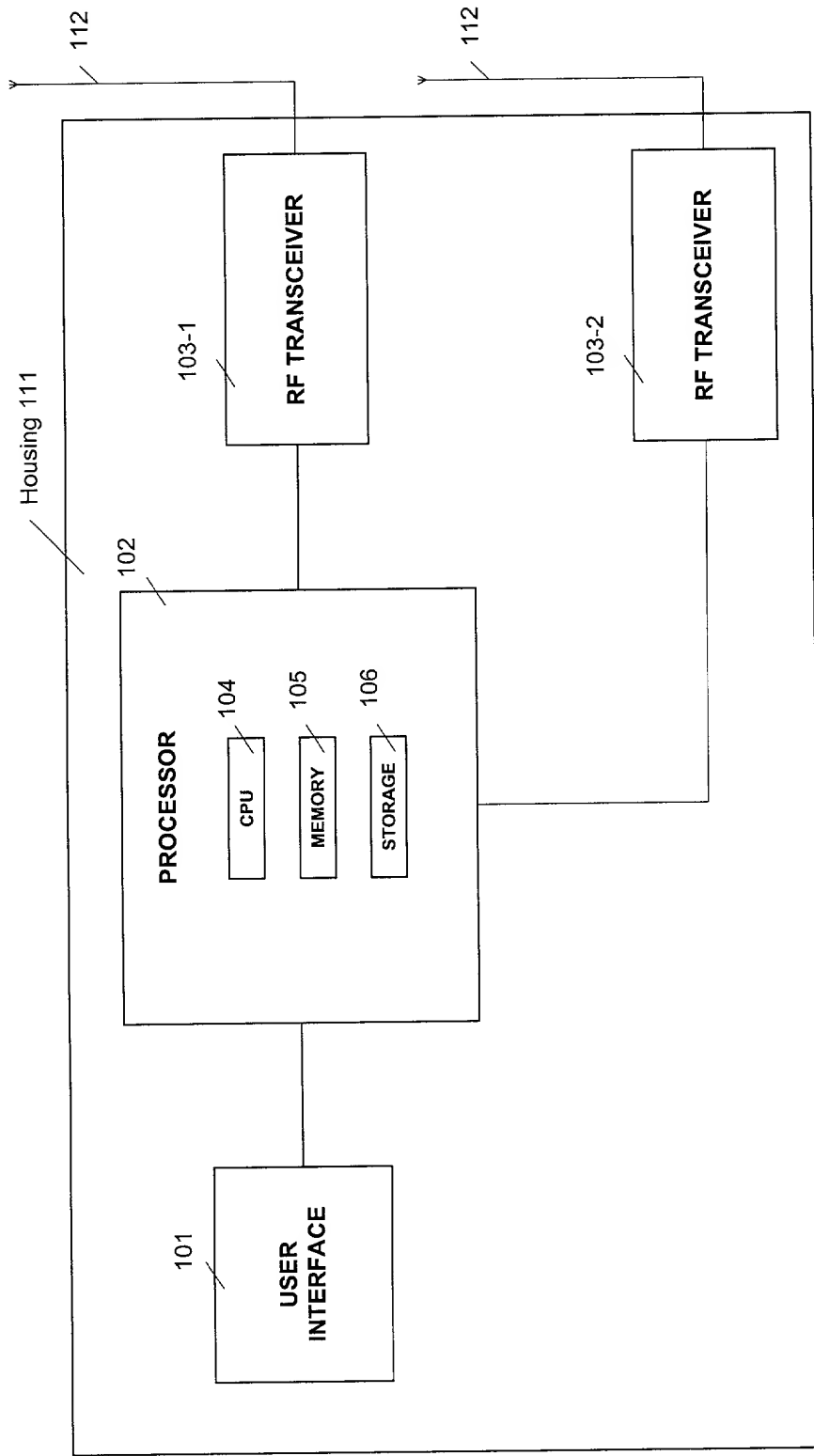


FIG. 3B

100

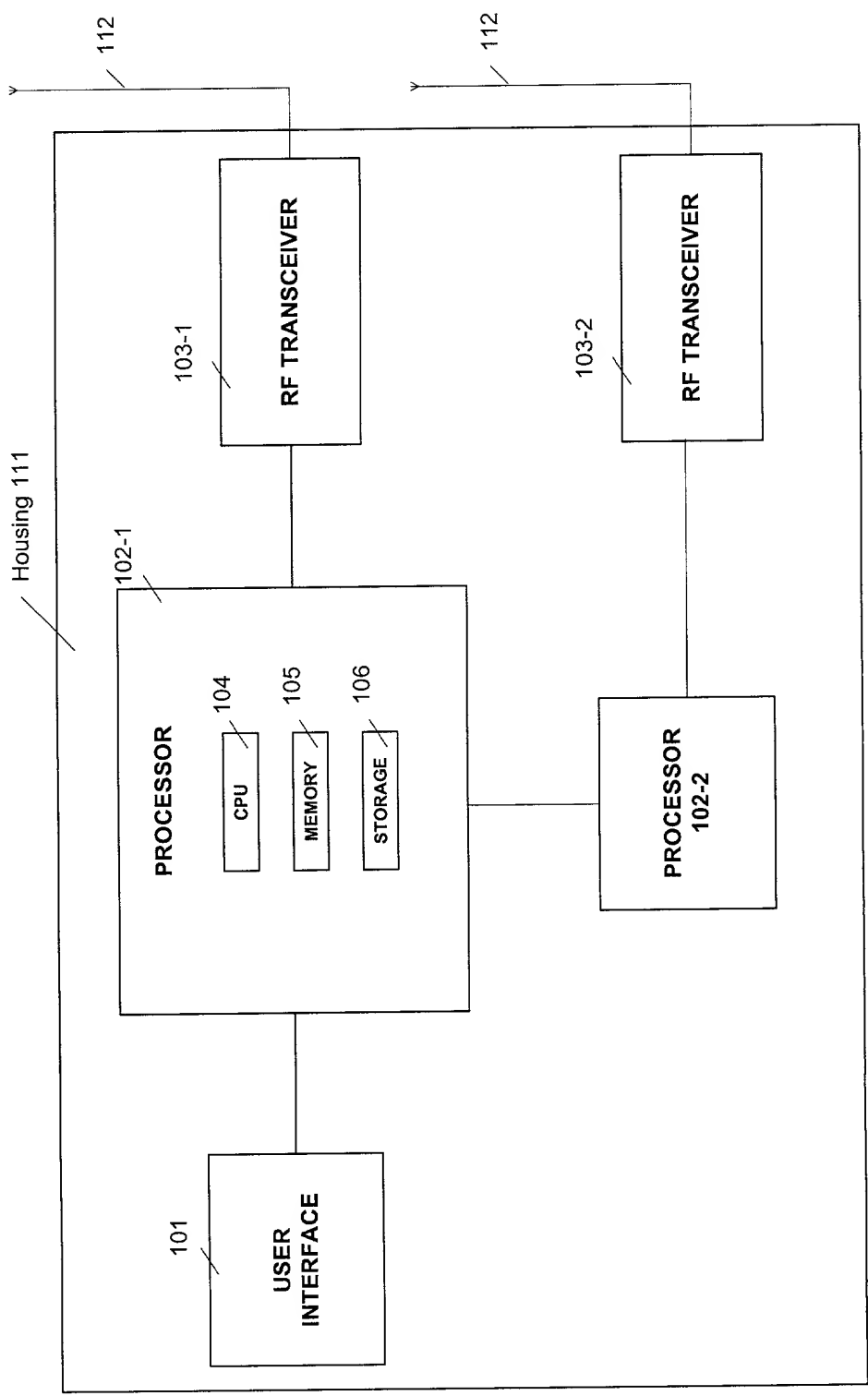


FIG. 3C

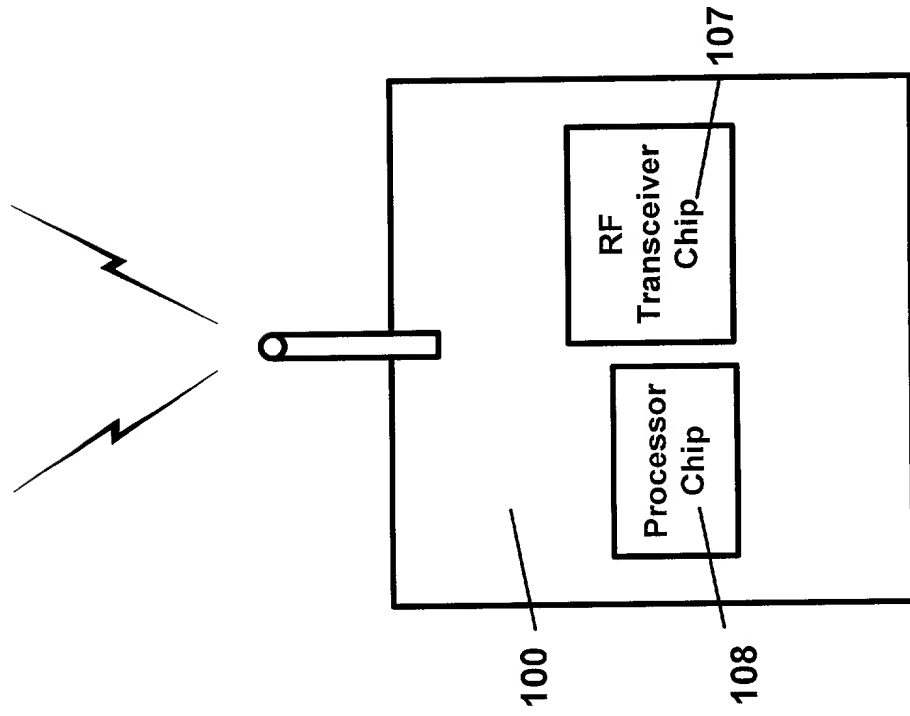


Fig. 4A

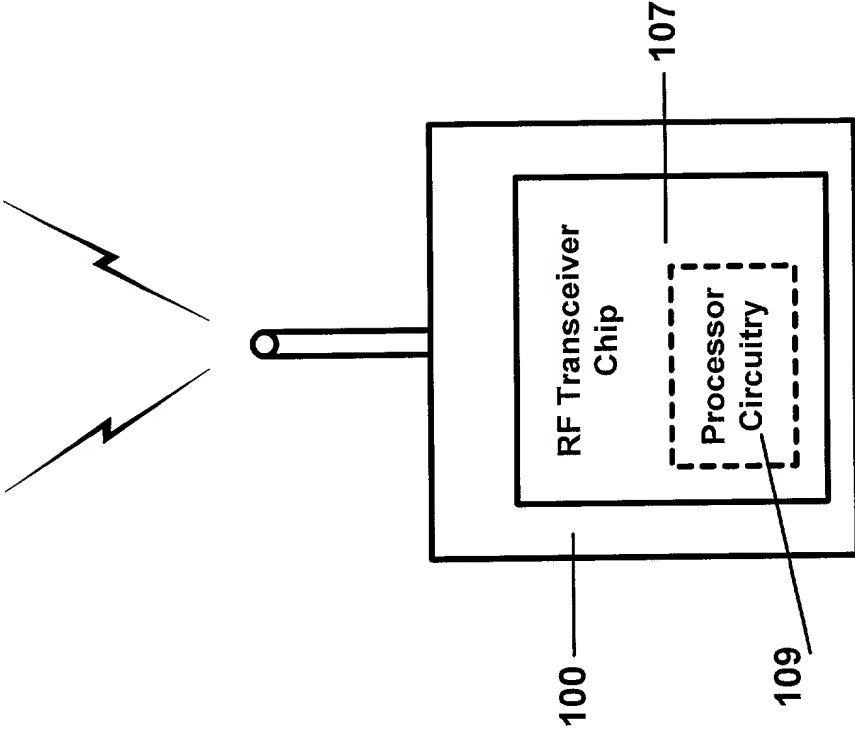


Fig. 4B

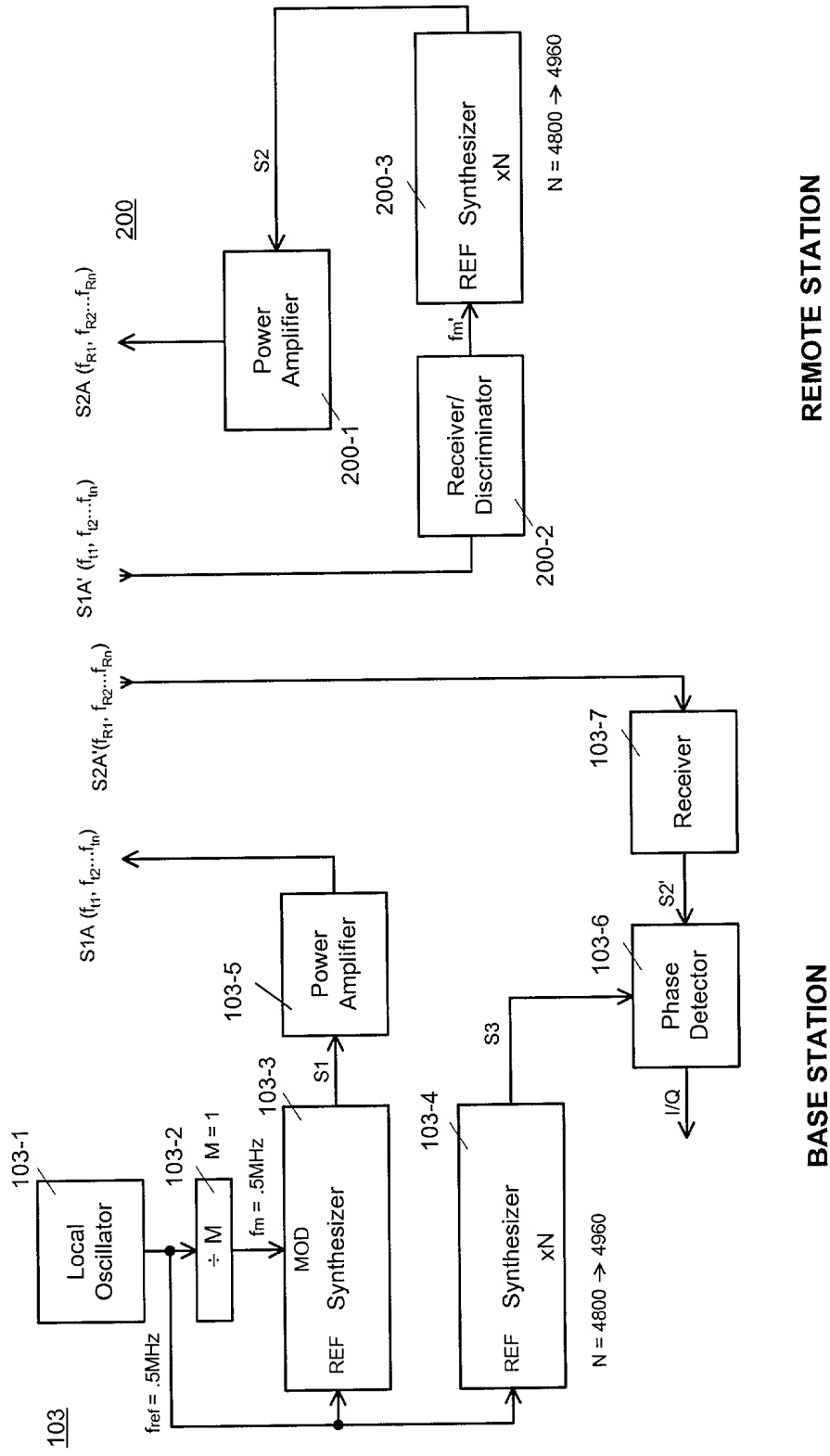


FIG. 5

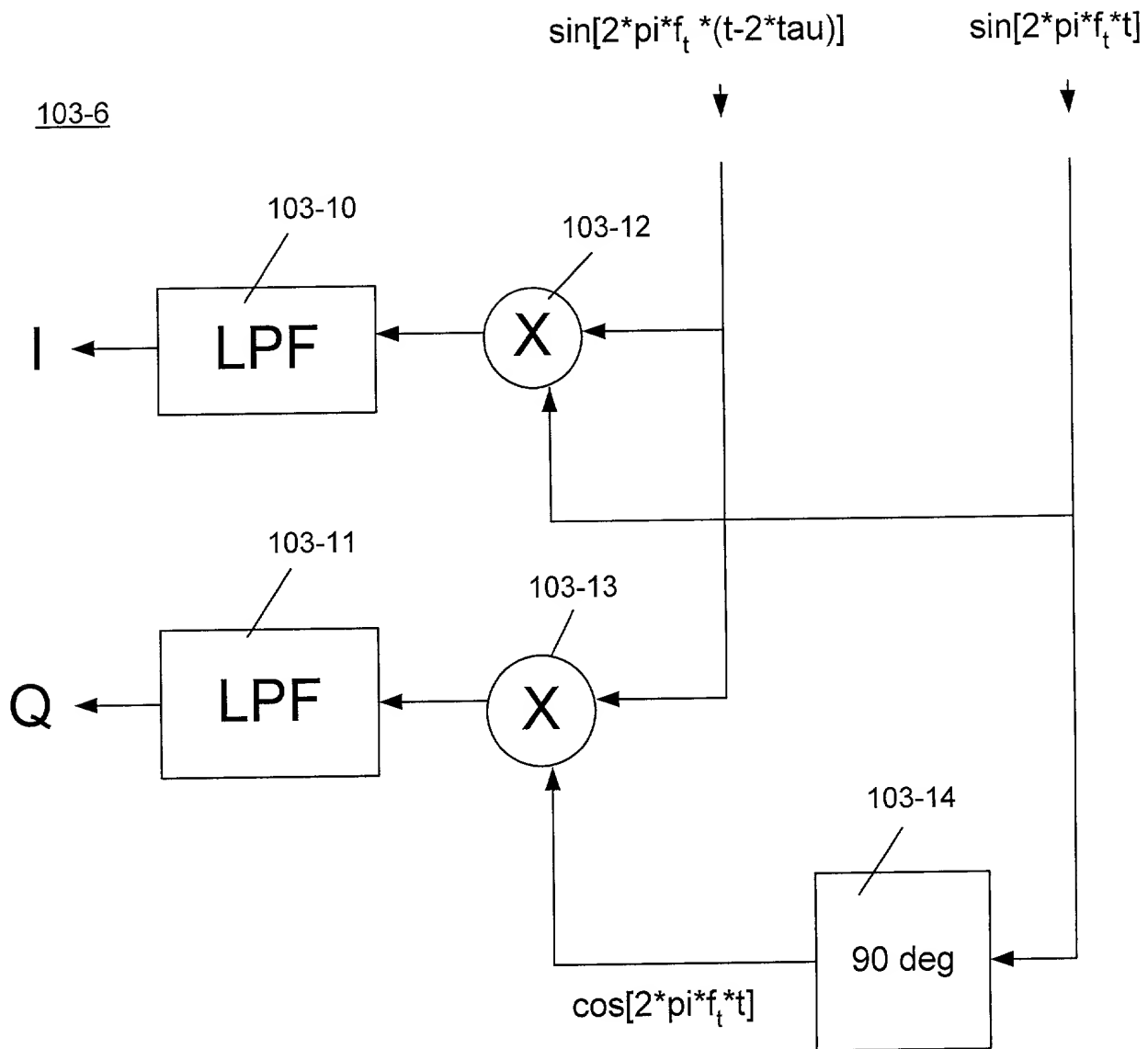
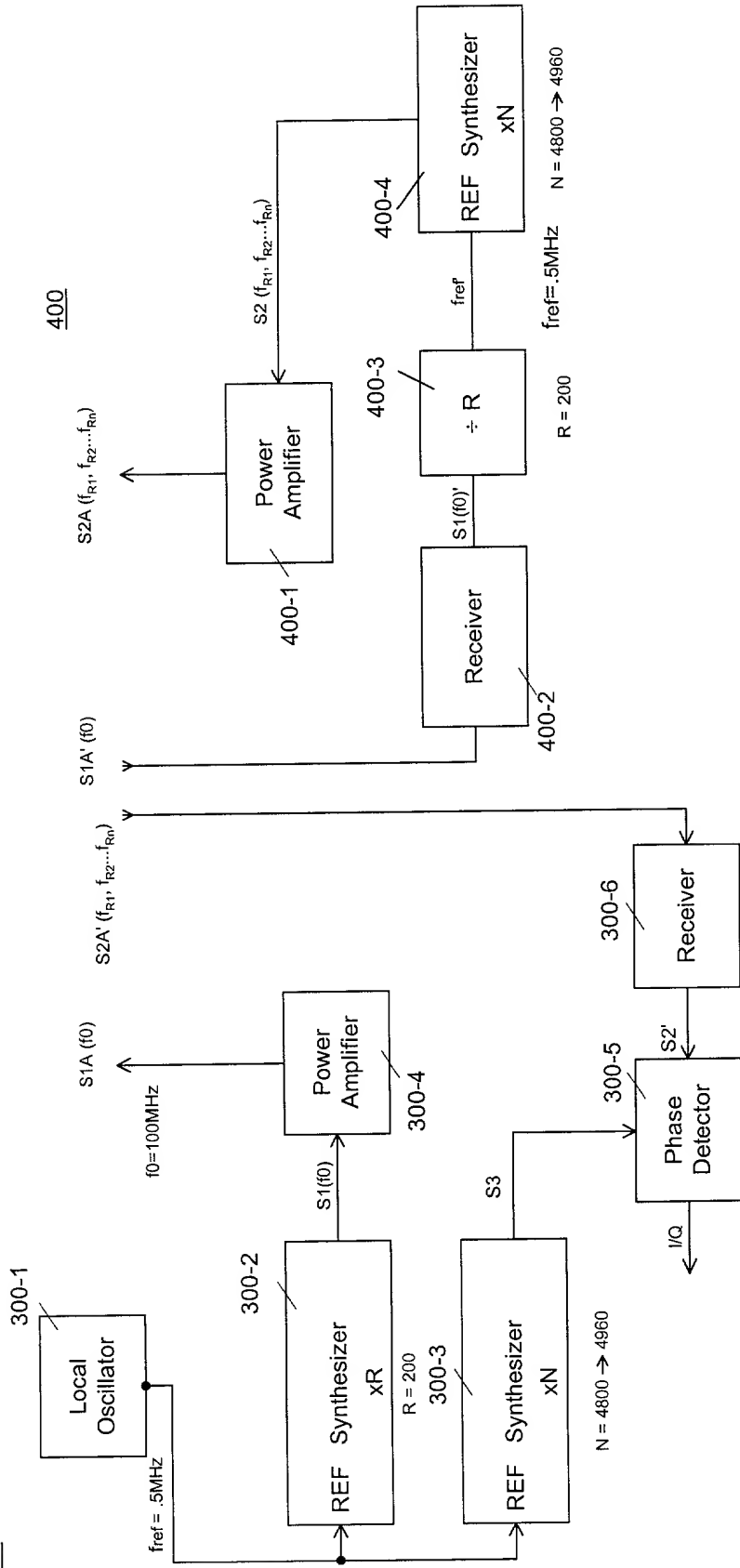


Fig. 6



300



BASE STATION

REMOTE STATION

FIG. 7

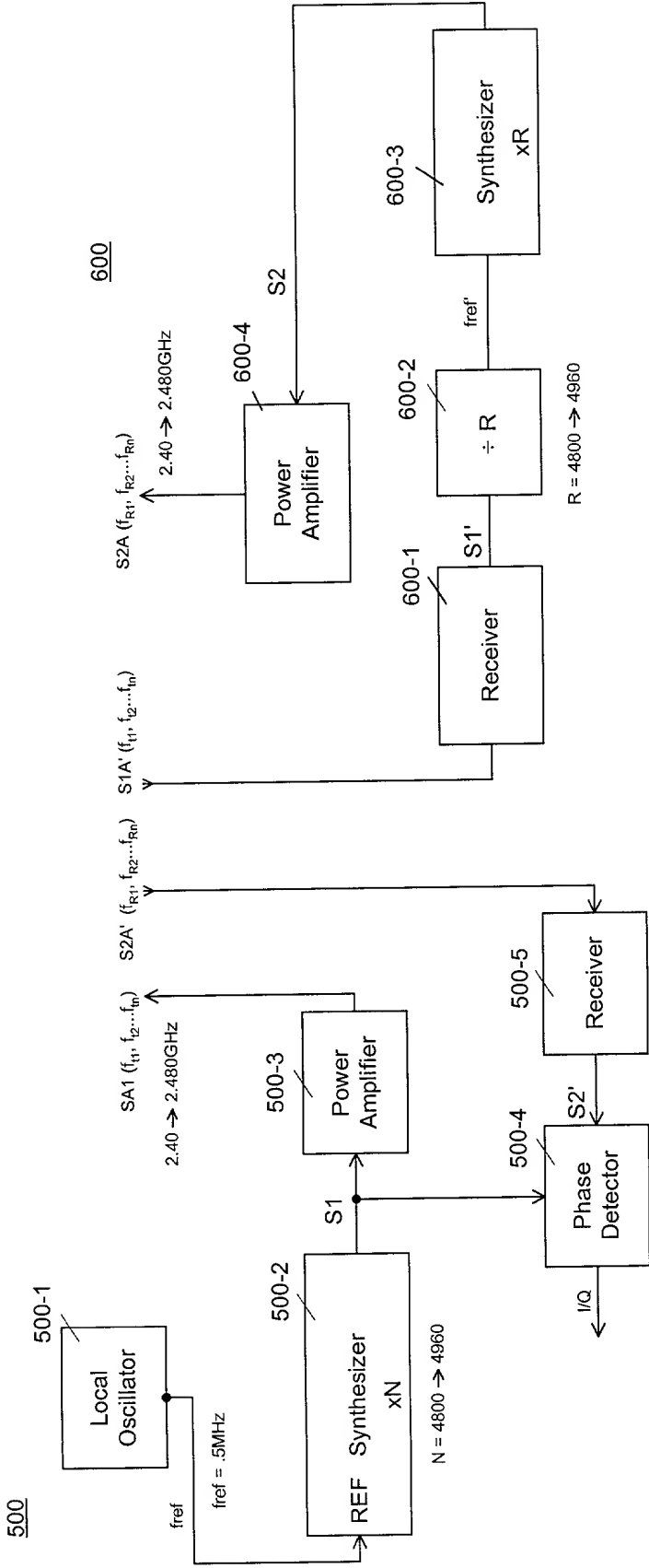


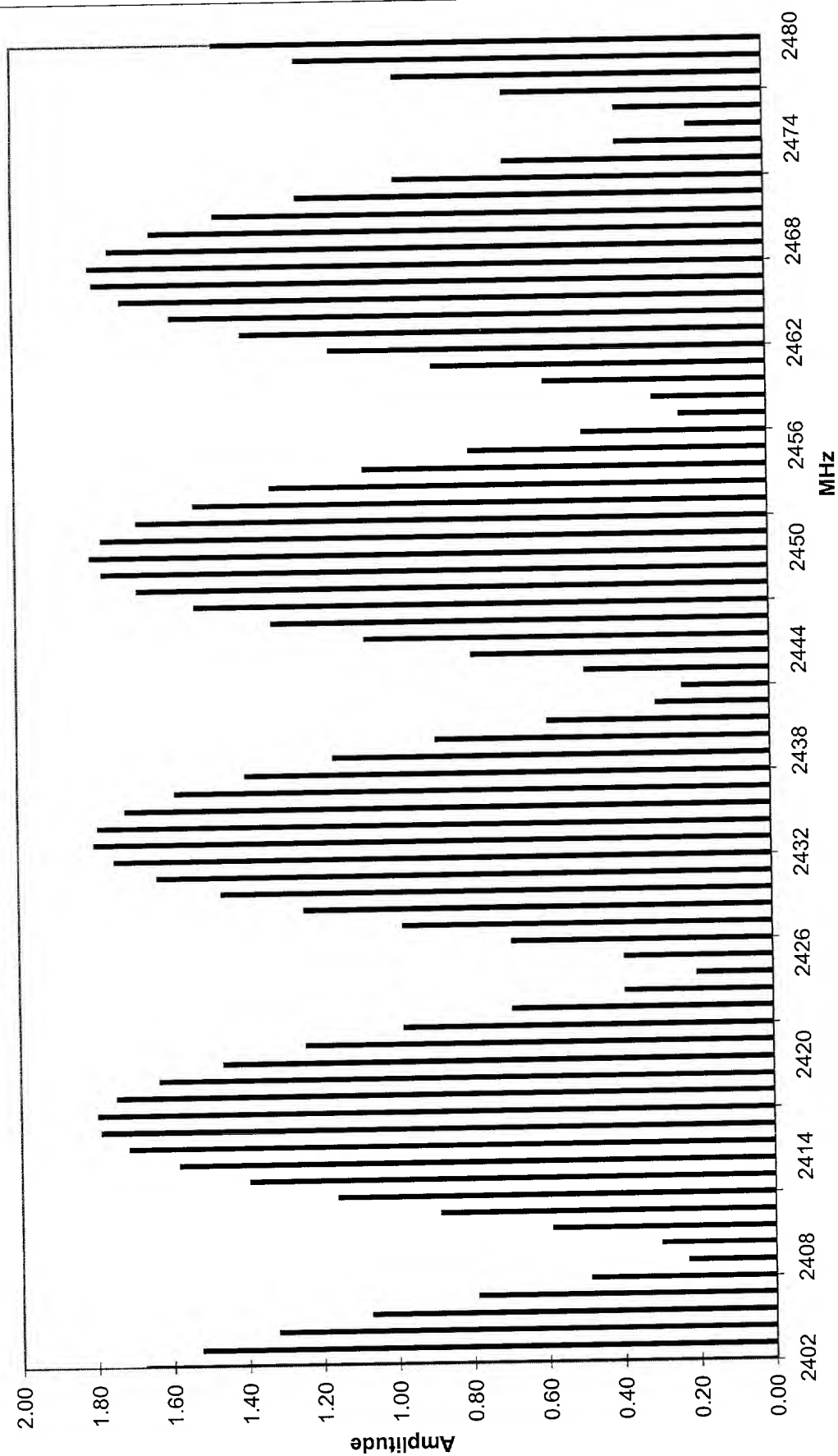
FIG. 8

BASE STATION

FIG. 9

Figure 10A

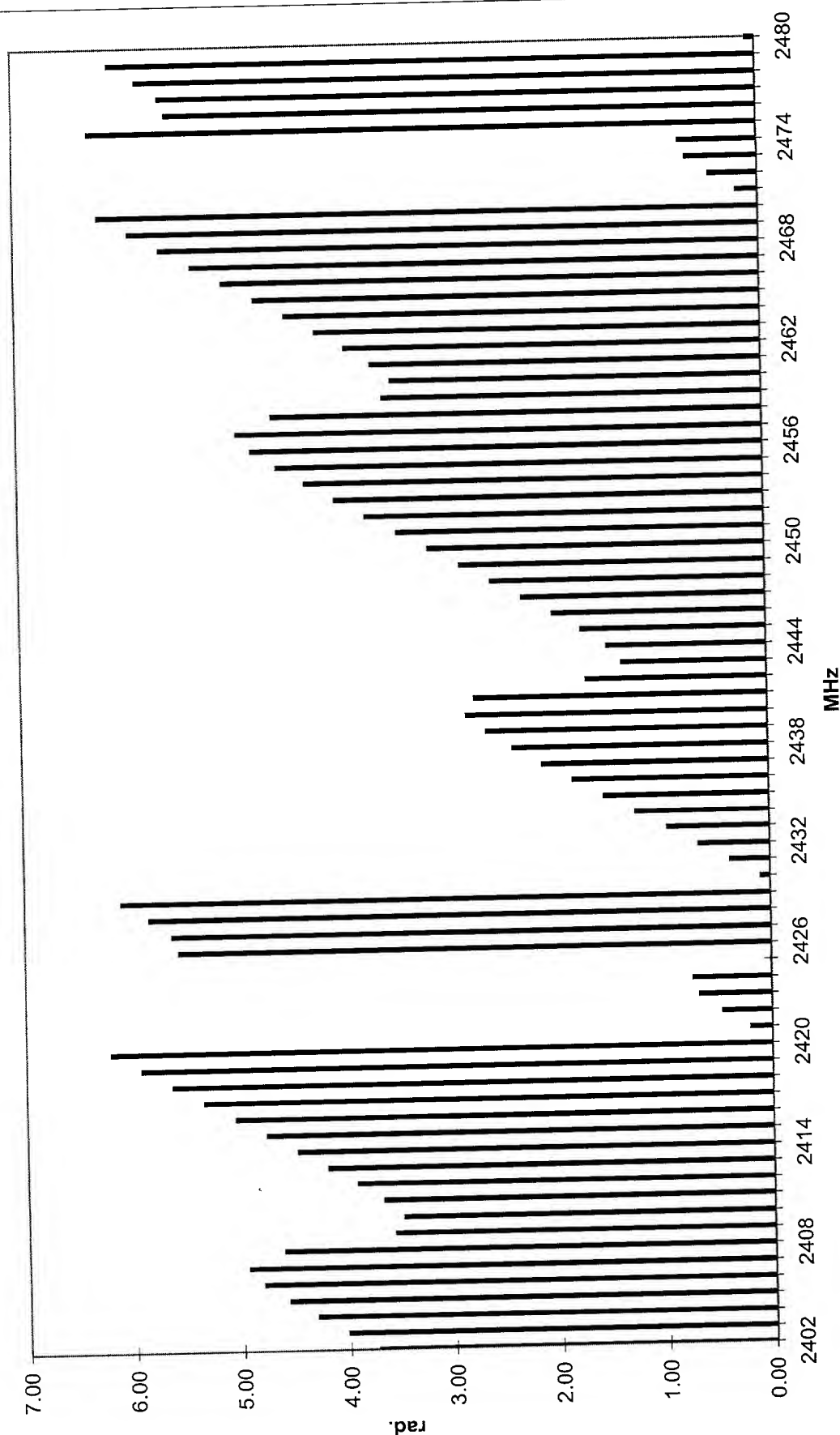
Amplitude vs. Frequency  
Direct path = 20ns, echo = 80ns.



**Figure 10B**

**Phase shift vs. Frequency**

Direct path = 20ns, echo = 80ns.



IFFT Result  
Direct Path = 20ns, echo = 80ns.

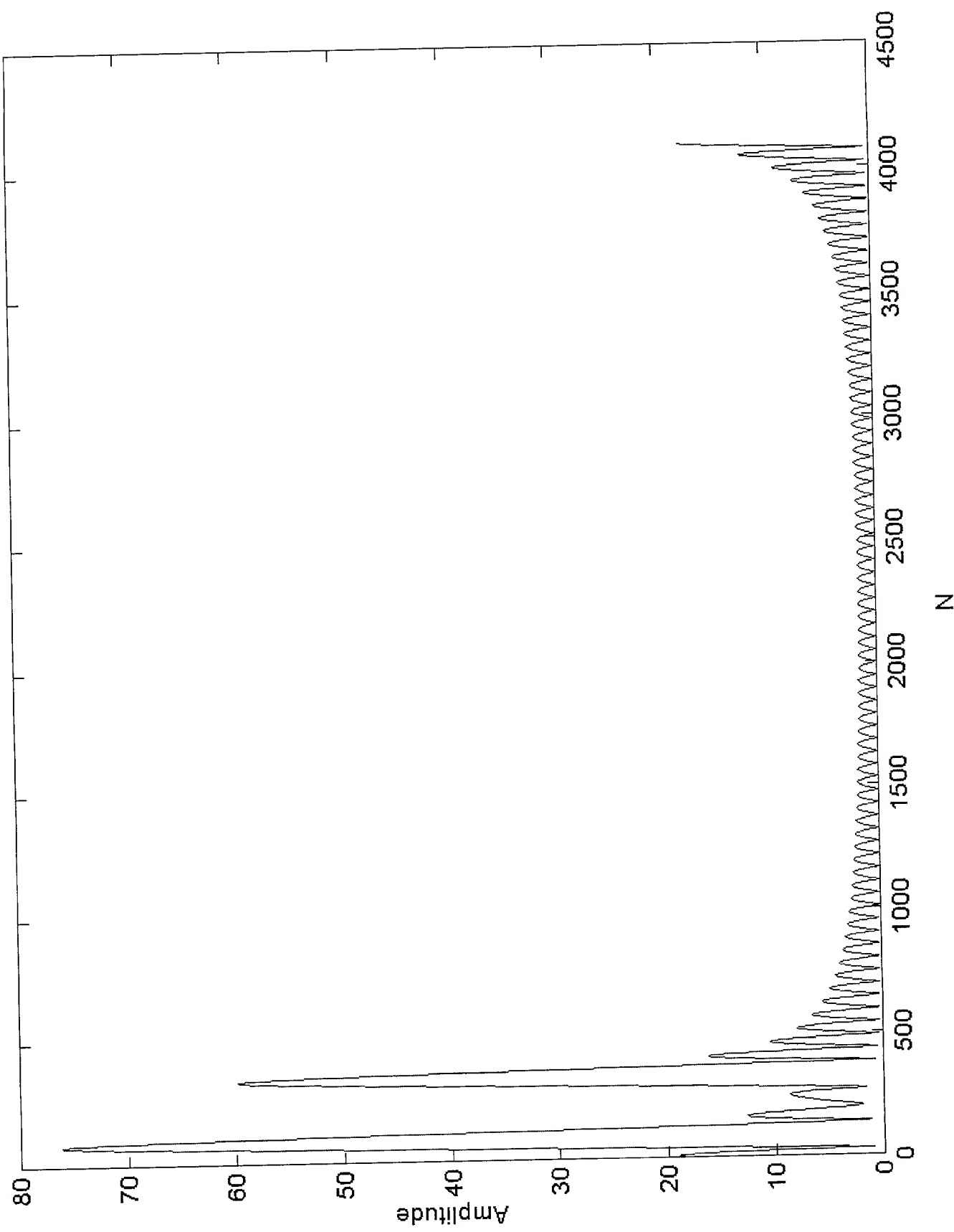


FIGURE 10C

FIGURE 10D

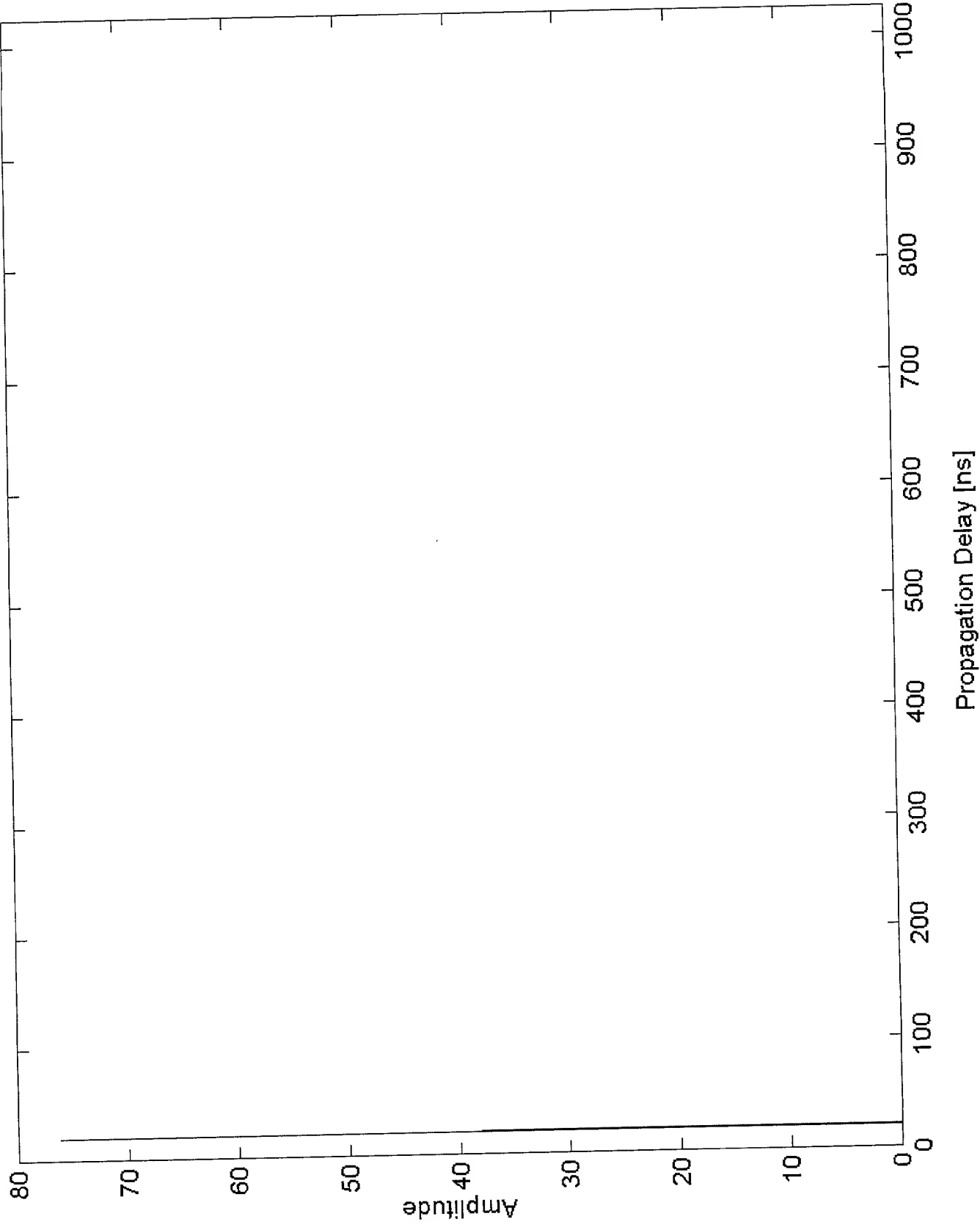


FIGURE 10D

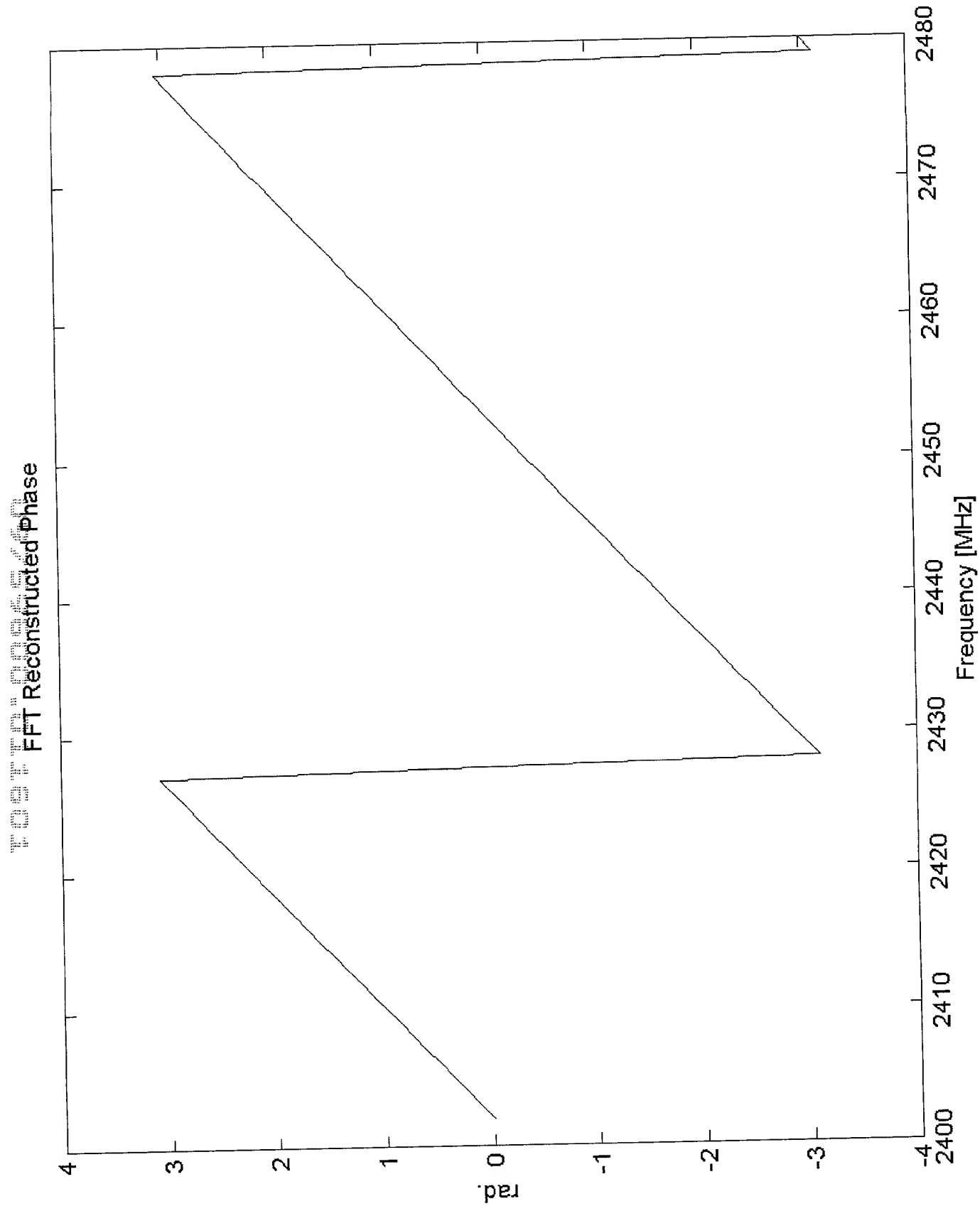


FIGURE 10E

**Direct path = 20ns, echos = 80ns, 120ns.**

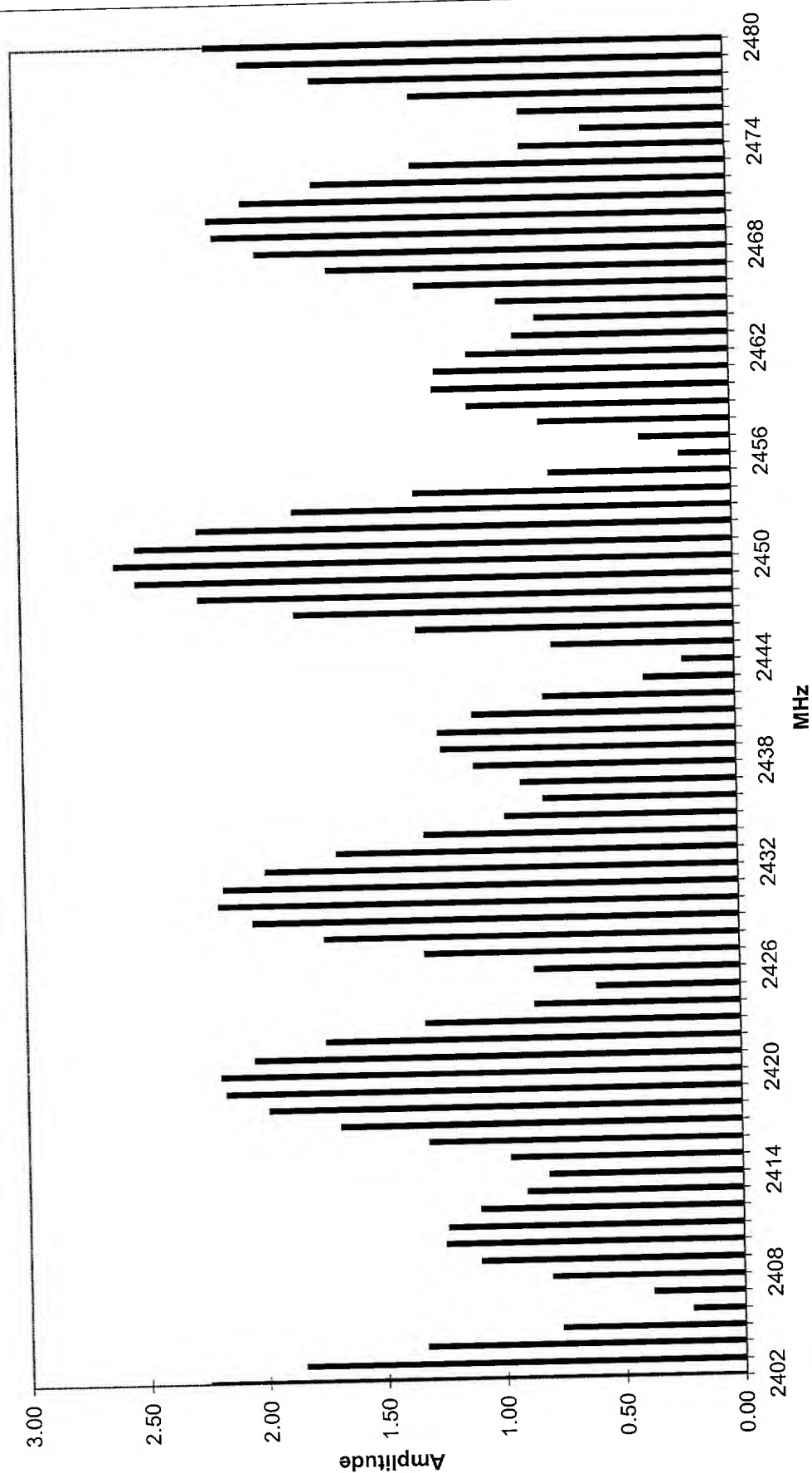
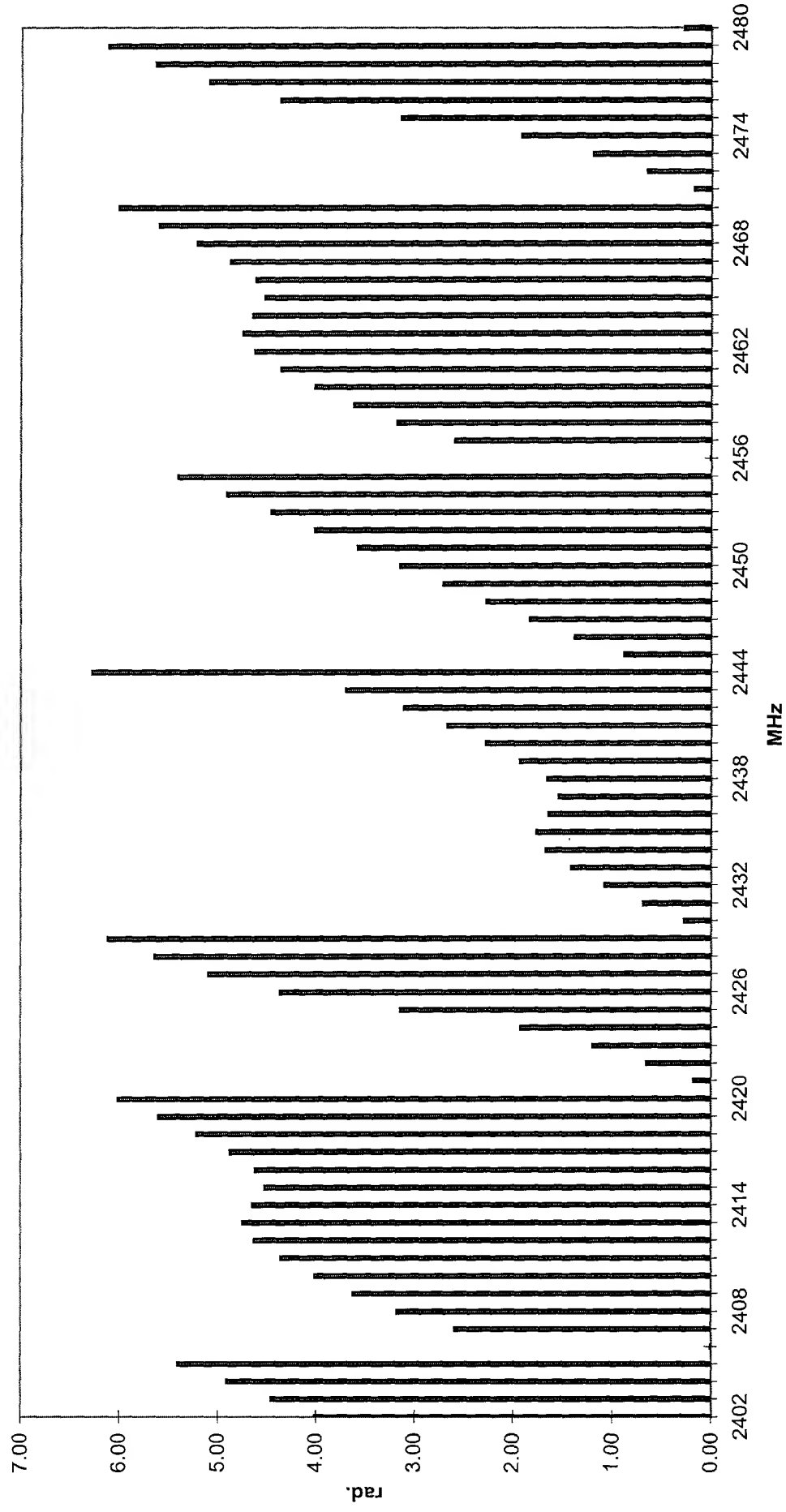




Figure 11B

Phase shift vs. Frequency  
path = 20ns, echos = 80ns, 120ns.

Direct



IFFT Result  
Direct Path = 20ns, echos=80ns, 120ns.

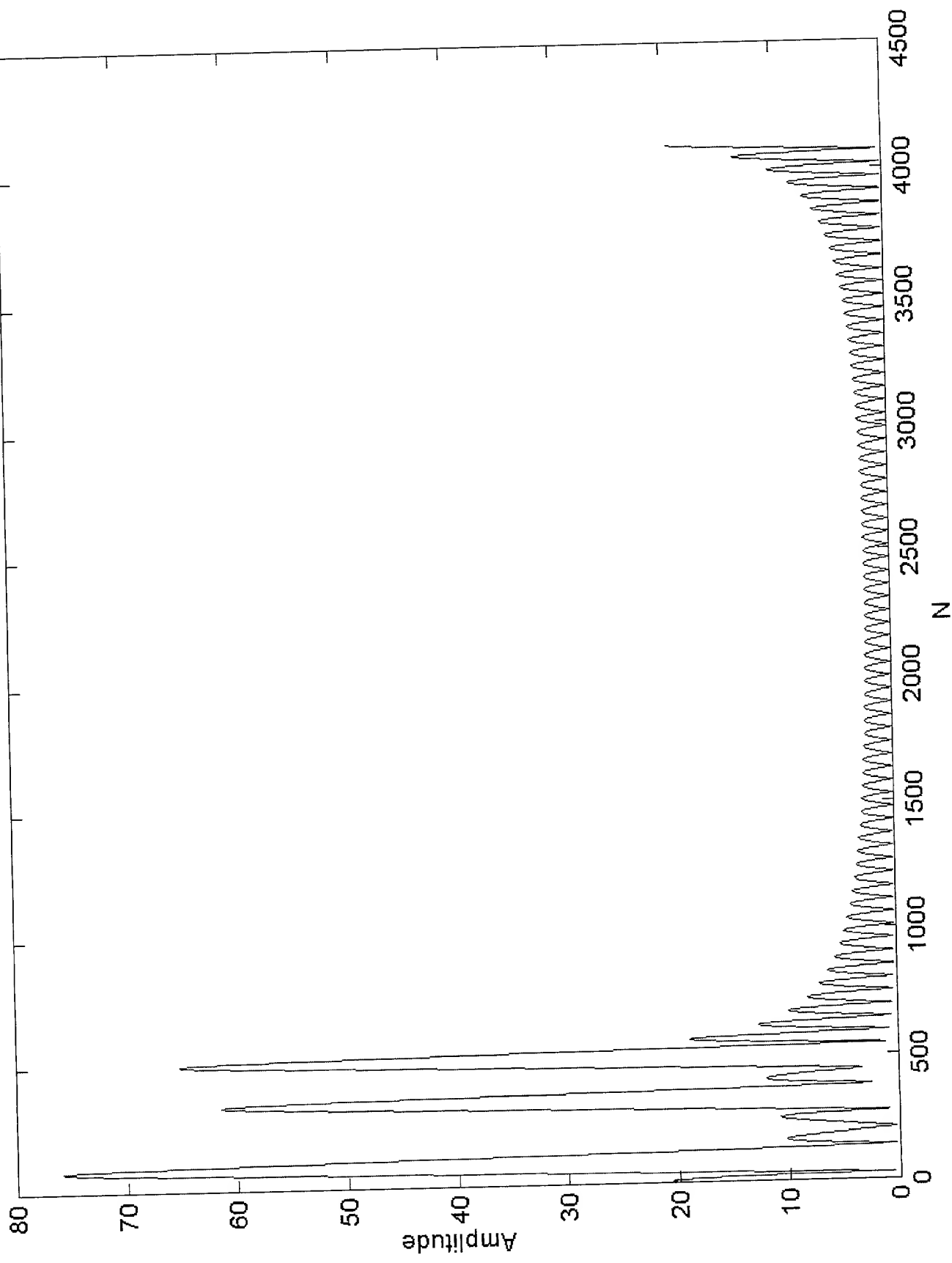


FIGURE 11C

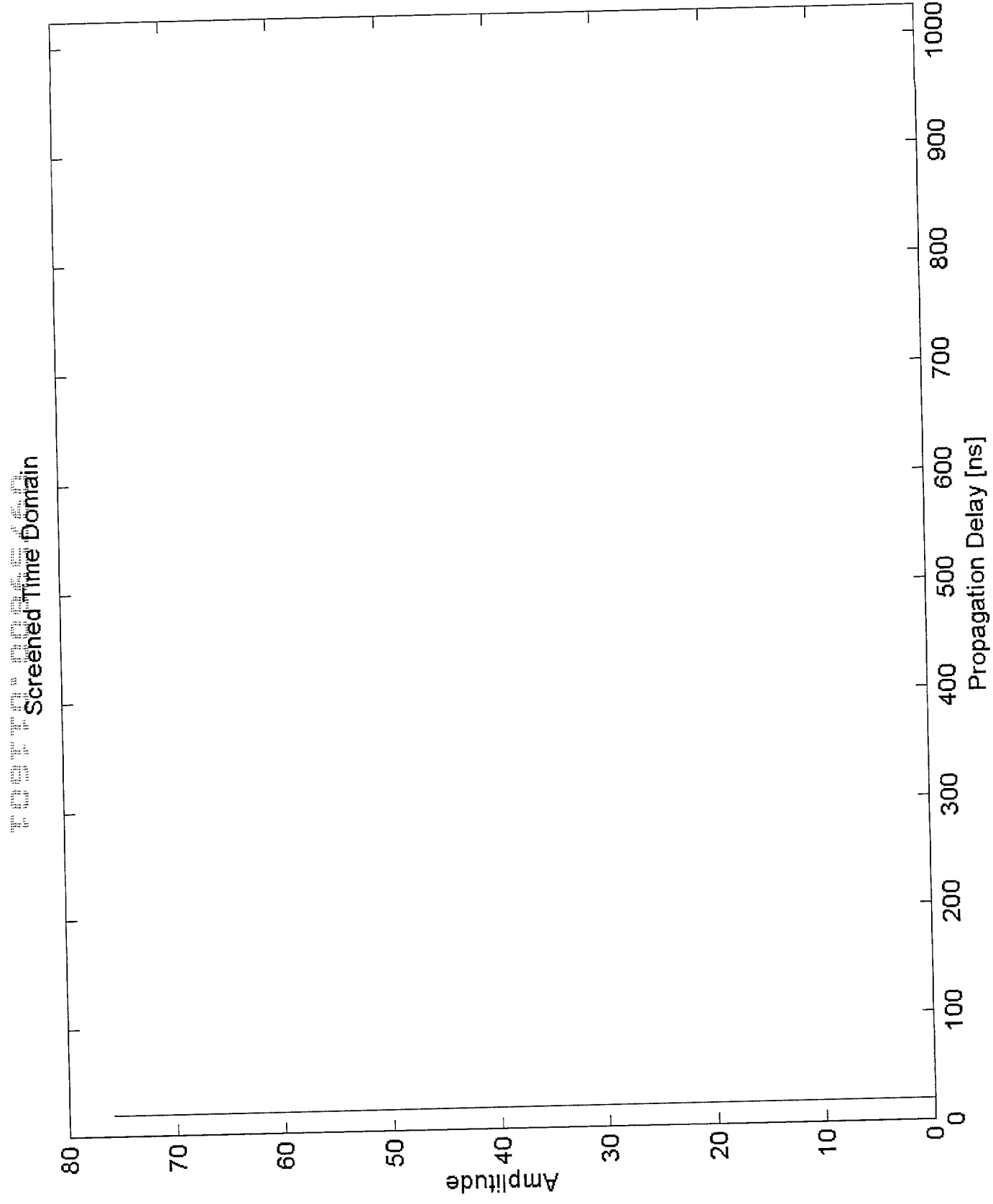


FIGURE 11D

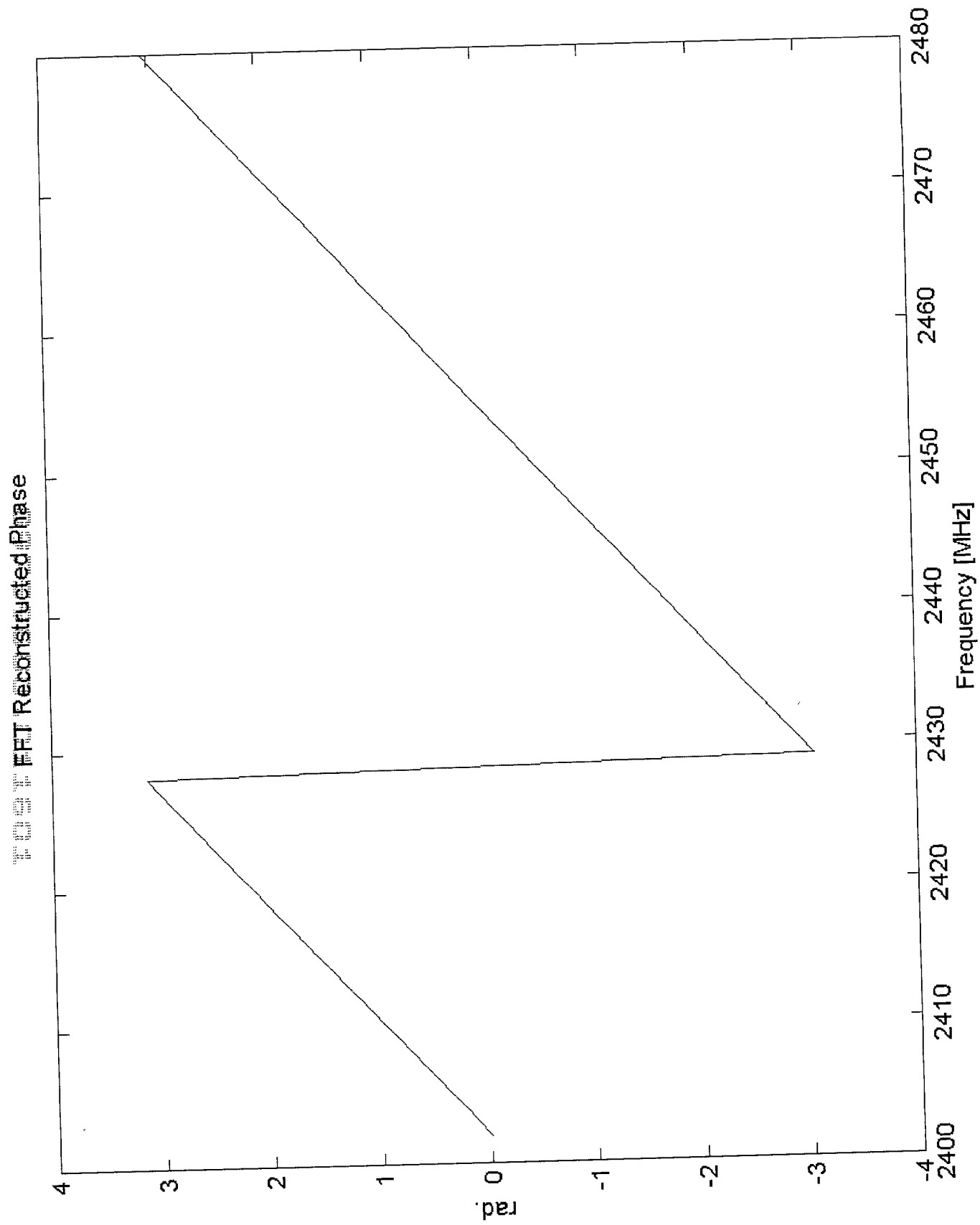


FIGURE 11E

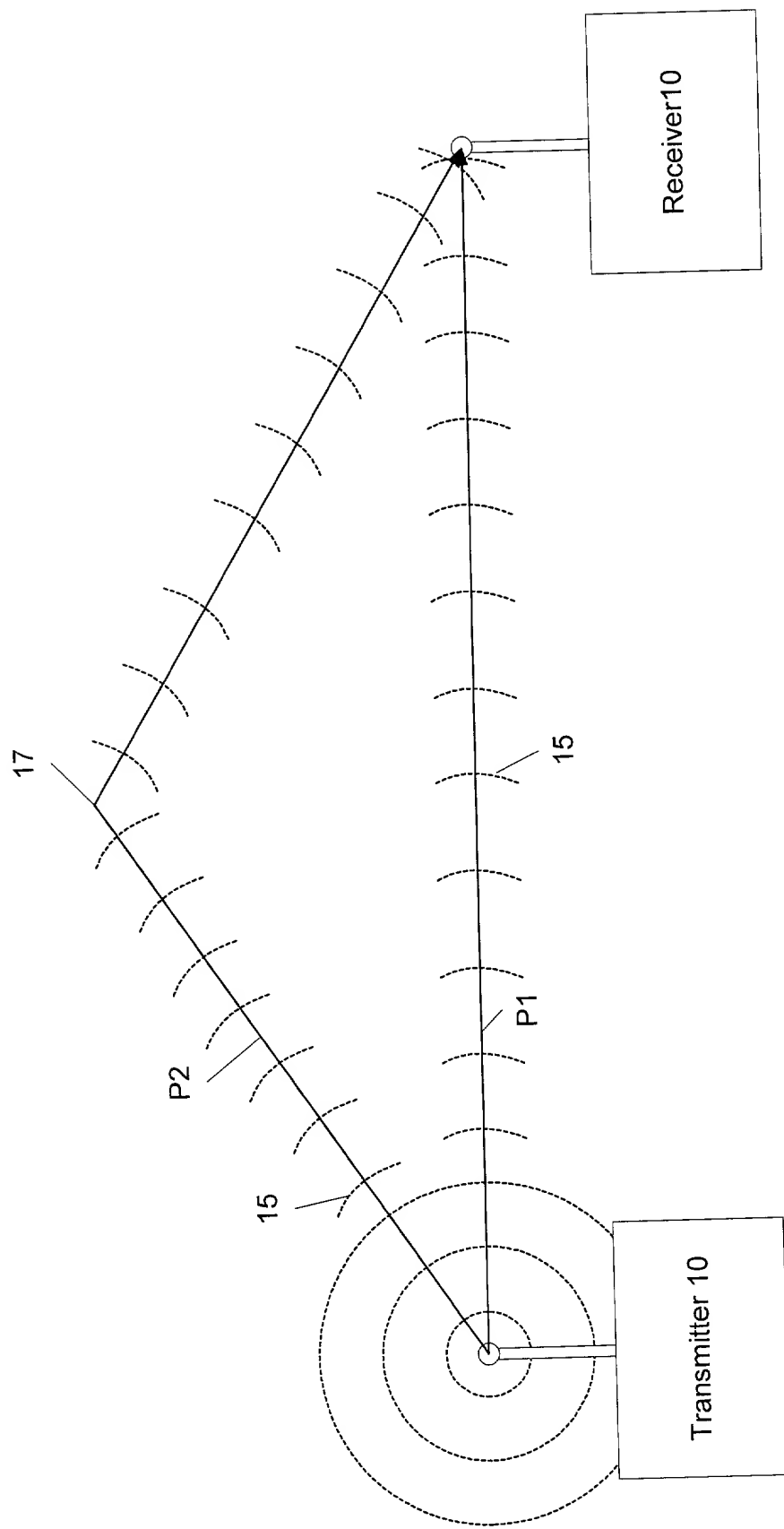


FIGURE 12